| ina          | ex | ΟŢ | CI | aı | m     | S   |  |
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| Application/Control No. | Applicant(s)/Patent Under Reexamination |
|-------------------------|---|
| 10517010                | COGHLAN ET AL.                          |
| Examiner                | Art Unit                                |
| Loewe, Sun Jae Y        | 1626                                    |

| <b>✓</b> | Rejected |
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| =        | Allowed  |

| - | Cancelled  |
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| ÷ | Restricted |

| N | Non-Elected  |
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| . | Interference |

| Α | Appeal   |
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| 0 | Objected |

| ☐ Claims | renumbered | in the same | order as pr | esented by | applicant |  | □ СРА | <br>D. 🗆 | R.1.47 |
|----------|------------|-------------|-------------|------------|-----------|--|-------|----------|--------|
| CLA      | AIM        |             | DATE        |            |           |  |       |          |        |
| Final    | Original   | 08/03/2007  |             |            |           |  |       |          |        |
| 109      | 109        | -           |             |            |           |  |       |          |        |
| 110      | 110        | -           |             |            |           |  |       |          |        |
| 111      | 111        | -           |             |            |           |  |       |          |        |
| 112      | 112        | -           |             |            |           |  |       |          |        |
| 113      | 113        | -           |             |            |           |  |       | <br>•    |        |
| 114      | 114        | -           |             |            |           |  |       |          |        |
| 115      | 115        |             |             |            |           |  |       |          |        |
| 116      | 116        | -           |             |            |           |  |       |          | 1      |
| 117      | 117        | -           |             |            |           |  |       |          |        |
| 118      | 118        | -           |             |            |           |  |       |          |        |
| 119      | 119        | -           |             |            |           |  |       | •        |        |
| 120      | 120        | -           |             |            |           |  |       |          |        |
| 121      | 121 .      | -           |             |            |           |  |       |          |        |
| 122      | 122        | +           |             |            |           |  | ,     |          |        |
| 123      | 123        | +           |             |            |           |  |       |          |        |
| 124      | 124        | +           |             |            |           |  |       |          |        |
| 125      | 125        | +           |             |            | •         |  |       |          |        |
| 126      | 126        | +           |             |            |           |  |       |          |        |
| 127      | 127        | +           |             |            |           |  |       |          |        |
| 128 ·    | 128        | +           |             |            |           |  |       |          |        |
| 129      | 129        | +           |             |            |           |  |       |          |        |
| 130      | 130        | +           |             |            |           |  |       |          |        |
| 131      | 131        | +           |             |            |           |  |       |          |        |
| 132      | 132        | +           |             |            |           |  |       |          |        |
| 133      | 133        | +           |             | •          |           |  |       |          |        |
| 134      | 134        | +           |             |            |           |  |       |          |        |
| 135      | 135        | +           |             |            |           |  |       |          |        |
| 136      | 136        | +           |             |            |           |  |       |          |        |
| 137      | 137        | +           |             |            |           |  |       | <br>     | 1.     |

U.S. Patent and Trademark Office Part of Paper No.: 20070803

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| 10517010                | COGHLAN ET AL.                          |
| Examiner                | Art Unit                                |
| Loewe, Sun Jae Y        | 1626                                    |

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| ÷ | Restricted | ı | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

| ☐ Claims | renumbered | in the same                                  | order as pr | esented by | applicant |   | ☐ CPA | т        | .D. 🗆 | R.1.47   |
|----------|------------|--|-------------|------------|-----------|---|-------|----------|-------|----------|
| CLAIM    |            | DATE   |             |            |           |   |       |          |       |          |
| Final    | Original   | 08/03/2007                                   |             |            |           |   |       |          |       |          |
| 73       | 73         | -,   |             |            |           |   |       |          |       |          |
| 74       | 74         | -  |             |            |           |   |       |          |       |          |
| 75       | 75         | -  |             |            |           |   |       |          |       |          |
| 76       | 76         | -  |             |            |           |   |       |          |       |          |
| 77       | 77 .       | -  |             |            |           |   |       |          |       |          |
| 78       | 78         | -  |             |            |           |   | •     |          |       |          |
| 79       | 79         | - 1  |             |            |           |   |       |          |       |          |
| 80       | 80         | -  |             |            |           |   |       |          |       |          |
| 81       | 81         | - 1  |             |            |           |   |       |          |       |          |
| 82       | 82         | 1 - 1  |             |            |           |   |       |          |       |          |
| 83       | . 83       | - 1  |             |            |           |   |       |          |       |          |
| 84       | 84         | - 1  |             |            |           |   |       |          |       |          |
| 85       | 85         | 1 -  |             |            |           |   |       |          |       |          |
| 86       | 86         | -  |             |            |           |   |       |          |       |          |
| 87       | 87         | <b>-</b>                                     |             |            |           |   |       |          |       |          |
| 88       | 88         | -  |             |            |           |   |       |          |       |          |
| 89       | 89         | -  |             |            |           |   |       |          |       |          |
| 90       | 90         | - 1  | ١           |            |           |   |       | <u> </u> |       | <u> </u> |
| 91       | 91         | - 1  |             |            |           |   |       |          |       |          |
| 92       | 92         | - 1  |             |            |           |   |       | 7        |       |          |
| .93      | 93         | -  |             |            |           |   |       |          |       |          |
| 94       | 94         | -  |             |            |           |   |       | 1        |       |          |
| 95       | 95         | -  |             |            |           |   |       |          |       |          |
| 96       | 96         | - 1  |             |            |           |   |       |          |       |          |
| 97       | 97         | - 1  |             |            |           |   |       |          | 1     |          |
| 98       | 98         | -  |             |            |           |   | •     |          | 1     |          |
| 99       | 99         | <u> -                                   </u> | <u> </u>    |            |           |   |       |          | 1     |          |
| 100      | 100        | -  |             |            |           |   |       |          |       |          |
| 101      | 101        | -  |             |            |           |   |       |          | 1     | 1.       |
| 102      | 102        | -  |             |            |           |   |       |          |       |          |
| 103      | 103        | - 1  |             |            |           | • |       |          |       |          |
| 104      | 104        | <u> </u>                                     |             |            |           |   |       | 1        | 1     | 1        |
| 105      | 105        | -  |             |            |           |   |       |          | 1     |          |
| 106      | 106        | -  |             |            |           |   |       |          |       |          |
| 107      | 107        | - 1  |             |            |           |   |       |          |       |          |
| 108      | 108        |  |             |            |           |   |       |          |       |          |

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| 10517010                | COGHLAN ET AL.                          |
| Examiner                | Art Unit                                |
| Loewe, Sun Jae Y        | 1626                                    |

| <b>✓</b> | Rejected |
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| =        | Allowed  |

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| ÷ | Restricted |

| N | Non-Elected  |
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| ı | Interference |

| A | Appeal   |
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| ☐ Claims |          | T          |   |   |  |   |  |   |   |   | R.1.47 |
|----------|----------|------------|---|---|--|---|--|---|---|---|--------|
| CLAIM    |          | DATE       |   |   |  |   |  |   |   |   |        |
| Final    | Original | 08/03/2007 |   |   |  |   |  |   |   |   |        |
| 37       | 37       | - ]        |   |   |  |   |  |   | • |   |        |
| 38       | 38       | - 1        |   |   |  |   |  |   |   |   |        |
| 39       | 39       | -          |   |   |  |   |  |   |   | • |        |
| 40       | 40       | -          |   |   |  |   |  |   |   |   |        |
| 41       | 41       | -          |   |   |  |   |  |   |   |   |        |
| 42       | 42       | -          |   |   |  |   |  |   |   |   |        |
| 43       | 43       | -          |   |   |  | , |  |   | • |   |        |
| . 44     | 44       | -          |   |   |  |   |  |   |   |   |        |
| 45       | 45       | -          |   |   |  |   |  |   |   | • |        |
| 46 -     | 46       | -          |   |   |  |   |  |   |   |   |        |
| 47       | 47       | - I        |   |   |  |   |  |   |   |   |        |
| 48       | 48       | -          |   |   |  | , |  |   |   |   |        |
| 49       | 49       | -          |   |   |  |   |  |   |   |   |        |
| 50       | 50       | -          |   |   |  |   |  |   |   |   |        |
| 51       | 51       | -          |   |   |  |   |  |   |   |   |        |
| 52       | 52       | -          |   |   |  |   |  |   |   |   |        |
| 53       | 53       | -          |   |   |  |   |  |   |   |   |        |
| 54       | 54       | -          |   |   |  |   |  |   |   |   |        |
| 55       | 55       | -          |   |   |  |   |  |   |   |   |        |
| 56       | 56       | -          |   |   |  |   |  |   |   |   |        |
| 57       | 57       | -          |   |   |  |   |  |   |   |   |        |
| 58       | 58       | -          | , |   |  |   |  |   |   |   |        |
| 59       | 59       |            |   |   |  |   |  |   |   |   |        |
| 60       | 60       | 1 -        |   |   |  |   |  |   |   |   |        |
| 61       | . 61     | -          |   |   |  |   |  |   |   |   |        |
| . 62     | 62       | -          |   |   |  |   |  |   |   |   |        |
| 63       | 63       | -          |   |   |  |   |  |   |   |   |        |
| 64       | 64       | - 1        |   |   |  |   |  |   |   |   |        |
| 65       | 65       | -          |   |   |  |   |  | 1 |   |   |        |
| 66       | 66       | -          |   |   |  |   |  |   |   |   |        |
| 67       | 67       | -          |   |   |  |   |  |   |   |   |        |
| 68       | . 68     | -          |   |   |  |   |  |   |   |   |        |
| 69       | 69       | -          |   |   |  |   |  | Ī |   |   |        |
| 70       | 70       | - 1        |   |   |  |   |  |   |   |   |        |
| 71       | 71       | -          |   |   |  |   |  |   |   |   |        |
| 72       | 72       | -          |   | , |  |   |  |   |   |   |        |

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| Application/Control No. | Applicant(s)/Patent Under Reexamination |
|-------------------------|---|
| 10517010                | COGHLAN ET AL.                          |
| Examiner                | Art Unit                                |
| Loewe, Sun Jae Y        | 1626                                    |

| <b>✓</b> | Rejected |
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| -        | Allowed  |

| - | Cancelled  |
|---|------------|
| ÷ | Restricted |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| Α | Appeal   |
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| O | Objected |

| ☐ Claims | renumbered | in the same | order as pr | esented by | applicant |  |   | СРА |   | T.D. |  | R.1.47 |
|----------|------------|-------------|-------------|------------|-----------|--|---|-----|---|------|--|--------|
| CL       | AIM        | DATE        |             |            |           |  |   |     |   |      |  |        |
| Final    | Original   | 08/03/2007  |             |            |           |  |   |     | ! |      |  |        |
| 1        | 1          | -           |             |            |           |  |   |     |   |      |  |        |
| 2        | 2          | -           |             |            |           |  |   |     |   |      |  |        |
| 3        | 3          | -           |             |            |           |  |   |     |   |      |  |        |
| 4        | 4          | -           |             |            |           |  |   |     |   |      |  |        |
| 5        | 5          | -           |             |            |           |  |   |     |   |      |  |        |
| 6        | 6          | •           |             |            |           |  |   |     |   |      |  |        |
| 7        | 7          | -           |             |            |           |  |   |     |   |      |  |        |
| 8        | 8          | -           |             |            |           |  |   | •   |   |      |  |        |
| 9        | 9          | -           |             |            |           |  |   |     |   |      |  |        |
| 10       | 10         | -           |             |            |           |  |   |     |   |      |  |        |
| 11       | 11         | -           |             |            |           |  |   |     |   |      |  |        |
| -12      | 12         | -           |             |            |           |  |   |     |   |      |  |        |
| 13       | 13         | -           |             |            |           |  |   |     |   |      |  |        |
| 14       | 14         | -           | •           |            |           |  |   |     |   |      |  |        |
| 15       | 15         | -           |             |            |           |  |   |     |   |      |  |        |
| 16       | 16         | •           |             |            |           |  |   |     |   |      |  |        |
| 17       | 17         | -           |             |            |           |  |   |     |   |      |  |        |
| 18       | 18         | -           |             |            |           |  |   |     |   |      |  |        |
| 19       | 19         | -           |             |            |           |  |   |     |   |      |  |        |
| 20       | 20         | -           |             |            |           |  |   |     |   |      |  |        |
| 21       | 21         | •           |             |            |           |  |   |     |   |      |  | T .    |
| 22       | 22         | •           |             |            |           |  |   |     |   |      |  |        |
| 23       | 23         | -           |             |            |           |  |   |     |   | - T  |  |        |
| 24       | 24         | -           |             |            |           |  |   |     |   |      |  |        |
| 25       | 25         | -           |             |            |           |  |   |     |   |      |  |        |
| 26       | 26         | -           |             |            |           |  |   |     |   |      |  |        |
| 27       | 27         | -           |             |            |           |  |   |     |   |      |  |        |
| 28       | 28         | -           |             |            |           |  |   |     |   |      |  |        |
| 29       | 29         | -           |             |            |           |  |   |     |   |      |  |        |
| 30       | 30         | •           |             |            |           |  |   |     |   |      |  |        |
| 31       | 31         | •           |             |            |           |  |   |     |   |      |  |        |
| 32       | 32         | •           |             |            |           |  |   |     |   |      |  |        |
| 33       | 33         | -           |             |            |           |  |   |     |   |      |  |        |
| 34       | 34         | -           |             |            |           |  |   |     |   |      |  |        |
| 35       | 35         | -           |             |            |           |  |   |     |   |      |  |        |
| 36       | 36         | -           |             |            |           |  | i |     |   |      |  |        |